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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	cytochrome with (zebra\$ or rerio)	4

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20030162823 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 4

File: PGPB

Aug 28, 2003

PGPUB-DOCUMENT-NUMBER: 20030162823

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030162823 A1

TITLE: Novel C-4 substituted retinoids

PUBLICATION-DATE: August 28, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Njar, Vincent C.O.	Columbia	MD	US	
Brodie, Angela M.H.	Fulton	MD	US	
Nnane, Ivo P.	Baltimore	MD	US	

US-CL-CURRENT: [514/396](#); [514/529](#), [514/559](#), [548/335.1](#), [554/103](#), [554/221](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MMIC	Draw D
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☐ 2. Document ID: US 6306624 B1

L1: Entry 2 of 4

File: USPT

Oct 23, 2001

US-PAT-NO: 6306624

DOCUMENT-IDENTIFIER: US 6306624 B1

TITLE: Retinoid metabolizing protein

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Draw D
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☐ 3. Document ID: US 6299858 B1

L1: Entry 3 of 4

File: USPT

Oct 9, 2001

US-PAT-NO: 6299858

DOCUMENT-IDENTIFIER: US 6299858 B1

h e b b g e e e f e g h e f b e

TITLE: Methods of screening agents for activity using teleosts

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	---------

☐ 4. Document ID: US 6063606 A

L1: Entry 4 of 4

File: USPT

May 16, 2000

US-PAT-NO: 6063606

DOCUMENT-IDENTIFIER: US 6063606 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Retinoid metabolizing protein

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--	--	--------	------	---------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
cytochrome with (zebra\$ or rerio)	4

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=> s cytochrome (10a) (zebra? or rerio)  
L1 139 CYTOCHROME (10A) (ZEBRA? OR RERIO)

=> dup rem l1  
PROCESSING COMPLETED FOR L1  
L2 59 DUP REM L1 (80 DUPLICATES REMOVED)

=> d 1-10

L2 ANSWER 1 OF 59 MEDLINE on STN DUPLICATE 1  
AN 2004113219 MEDLINE  
DN PubMed ID: 15003697  
TI Aromatase modulation alters gonadal differentiation in developing zebrafish (Danio rerio).  
AU Fenske Martina; Segner Helmut  
CS Department of Chemical Ecotoxicology, UFZ Centre for Environmental Research, Permoserstr. 15, D-04318 Leipzig, Germany..  
m.fenske@exeter.ac.uk  
SO Aquatic toxicology (Amsterdam, Netherlands), (2004 Apr 14) 67 (2) 105-26.  
Journal code: 8500246. ISSN: 0166-445X.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200404  
ED Entered STN: 20040309  
Last Updated on STN: 20040501  
Entered Medline: 20040430

L2 ANSWER 2 OF 59 MEDLINE on STN DUPLICATE 2  
AN 2004022902 IN-PROCESS  
DN PubMed ID: 14720586  
TI An aromatase inhibitor or high water temperature induce oocyte apoptosis and depletion of P450 aromatase activity in the gonads of genetic female zebrafish during sex-reversal.  
AU Uchida Daisuke; Yamashita Michiaki; Kitano Takeshi; Iguchi Taisen  
CS Graduate School of Integrated Science, Yokohama City University, Seto, Kanazawa-ku, 236-0027, Yokohama, Japan.. udaisuke@yokohama-cu.ac.jp  
SO Comparative biochemistry and physiology. Part A, Molecular & integrative physiology, (2004 Jan) 137 (1) 11-20.  
Journal code: 9806096. ISSN: 1095-6433.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS IN-PROCESS; NONINDEXED; Priority Journals  
ED Entered STN: 20040115  
Last Updated on STN: 20040212

L2 ANSWER 3 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:133492 HCAPLUS  
DN 138:182123  
TI Polymorphisms in the human gene for cytochrome P 450 CYP1A2 and their use in diagnostic and therapeutic applications  
IN Wojnowski, Leszek; Presecan-Siedel, Elena  
PA Epidauros Biotechnologie AG, Germany  
SO PCT Int. Appl., 117 pp.  
CODEN: PIXXD2  
DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003014387	A2	20030220	WO 2002-EP8893	20020808
	WO 2003014387	A3	20030925		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 6645745	B1	20031111	US 2000-583447	20000530
	US 2002160479	A1	20021031	US 2001-7814	20011109
PRAI	US 2000-583447	A	20000530		
	EP 2001-118770	A	20010808		
	EP 1999-118120	A	19990910		

L2 ANSWER 4 OF 59 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
AN 2003:449637 SCISEARCH  
GA The Genuine Article (R) Number: 659UY  
TI Cloning and expression analysis of a \*\*\*Cytochrome\*\*\* P450 promoter  
from \*\*\*zebrafish\*\*\* (Danio \*\*\*rerio\*\*\* )  
AU Johnson E W (Reprint); Jung A E; Bobb A J  
CS Geocenters Inc, TD, NHRC, Wright Patterson AFB, OH 45433 USA; Naval Hlth  
Res Ctr, Dept Toxicol, Dept Cell & Mol Biol, Wright Patterson AFB, OH USA  
CYA USA  
SO FASEB JOURNAL, (17 MAR 2003) Vol. 17, No. 5, Part 2, Supp. [S], pp.  
A1326-A1326.  
Publisher: FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD  
20814-3998 USA.  
ISSN: 0892-6638.  
DT Conference; Journal  
LA English  
REC Reference Count: 0

L2 ANSWER 5 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:1005749 HCAPLUS  
DN 140:211726  
TI Cloning of the zebra finch androgen synthetic enzyme CYP17: a study of its  
neural expression throughout posthatch development  
AU London, Sarah E.; Boulter, Jim; Schlinger, Barney A.  
CS Interdepartmental Graduate Program in Neuroscience, Department of  
Physiological Science and Laboratory of Neuroendocrinology, Brain Research  
Institute, University of California-Los Angeles, Los Angeles, CA, 90095,  
USA  
SO Journal of Comparative Neurology (2003), 467(4), 496-508  
CODEN: JCNEAM; ISSN: 0021-9967  
PB Wiley-Liss, Inc.  
DT Journal  
LA English  
RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:623330 HCAPLUS  
DN 140:39025  
TI Molecular phylogeny of the lionfish genera Dendrochirus and Pterois  
(Scorpaenidae, Pteroinae) based on mitochondrial DNA sequences  
AU Kochzius, Marc; Soller, Rainer; Khalaf, Maroof A.; Blohm, Dietmar  
CS Centre for Tropical Marine Ecology, Bremen, 28359, Germany  
SO Molecular Phylogenetics and Evolution (2003), 28(3), 396-403  
CODEN: MPEVEK; ISSN: 1055-7903  
PB Elsevier Science  
DT Journal  
LA English  
RE.CNT 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 7 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:903519 HCAPLUS

DN 140:175992  
TI Analysis of zebrafish cyp19 promoters  
AU Tong, Sok-Keng; Chung, Bon-chu  
CS Institute of Molecular Biology 48, Academia Sinica, Taipei, Nankang, 115, Taiwan  
SO Journal of Steroid Biochemistry and Molecular Biology (2003), 86(3-5), 381-386  
CODEN: JSBBEZ; ISSN: 0960-0760  
PB : Elsevier Science Ltd.  
DT Journal  
LA English

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:311423 HCAPLUS  
DN 139:80609  
TI Induction of cytochrome P450 1A is required for circulation failure and edema by 2,3,7,8-tetrachlorodibenzo-p-dioxin in zebrafish  
AU Teraoka, Hiroki; Dong, Wu; Tsujimoto, Yoshikazu; Iwasa, Hiroyuki; Endoh, Daiji; Ueno, Naoto; Stegeman, John J.; Peterson, Richard E.; Hiraga, Takeo  
CS School of Veterinary Medicine, Department of Toxicology, Rakuno Gakuen University, Ebetsu, Japan  
SO Biochemical and Biophysical Research Communications (2003), 304(2), 223-228  
CODEN: BBRCA9; ISSN: 0006-291X  
PB Elsevier Science  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 9 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2004:3287 BIOSIS  
DN PREV200400006531  
TI Aryl hydrocarbon receptor 2 mediates 2,3,7,8-tetrachlorodibenzo-p-dioxin developmental toxicity in zebrafish.  
AU Prasch, Amy L.; Teraoka, Hiroki; Carney, Sara A.; Dong, Wu; Hiraga, Takeo; Stegeman, John J.; Heideman, Warren; Peterson, Richard E. [Reprint Author]  
CS School of Pharmacy, University of Wisconsin, 777 Highland Ave., Madison, WI, 53705-2222, USA  
repeterson@pharmacy.wisc.edu  
SO Toxicological Sciences, (November 2003) Vol. 76, No. 1, pp. 138-150.  
print.  
ISSN: 1096-6080 (ISSN print).  
DT Article  
LA English  
ED Entered STN: 17 Dec 2003  
Last Updated on STN: 17 Dec 2003

L2 ANSWER 10 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2003:401580 BIOSIS  
DN PREV200300401580  
TI Cloning and expression analysis of a \*\*\*cytochrome\*\*\* P450 promoter from \*\*\*zebrafish\*\*\* (Danio \*\*\*rerio\*\*\* ).  
AU Johnson, Eric William [Reprint Author]; Jung, Anne E.; Bobb, Andrew J.  
CS NHRC/TD, Geocenters, Inc, 2612 Fifth Street, WPAFB, OH, 45433-7903, USA  
andrew.bobb@wpafb.af.mil; anne.jung@wpafb.af.mil; andrew.bobb@wpafb.af.mil  
SO FASEB Journal, (March 2003) Vol. 17, No. 4-5, pp. Abstract No. 848.14.  
<http://www.fasebj.org/>. e-file.  
Meeting Info.: FASEB Meeting on Experimental Biology: Translating the Genome. San Diego, CA, USA. April 11-15, 2003. FASEB.  
ISSN: 0892-6638 (ISSN print).  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 3 Sep 2003  
Last Updated on STN: 3 Sep 2003

=> d 11-20

L2 ANSWER 11 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:946475 HCAPLUS  
DN 138:20573  
TI Polymorphisms in the human gene for cytochrome P450 2C8 and their use in

diagnosis, therapy and drug selection  
 IN Penger, Anja; Sprenger, Reimund; Brinkmann, Ulrich  
 PA Epidauros Biotechnologie AG, Germany  
 SO PCT Int. Appl., 178 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002099099	A2	20021212	WO 2002-EP6000	20020531
	WO 2002099099	A3	20031023		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1397486	A2	20040317	EP 2002-776511	20020531
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	EP 2001-112899	A	20010601		
	WO 2002-EP6000	W	20020531		

L2 ANSWER 12 OF 59 MEDLINE on STN  
 AN 2002640291 MEDLINE  
 DN PubMed ID: 12399609  
 TI cDNA cloning and expressions of \*\*\*cytochrome\*\*\* P450 1A in \*\*\*zebrafish\*\*\* embryos.  
 AU Yamazaki Koji; Teraoka Hiroki; Dong Wu; Stegeman John J; Hiraga Takeo  
 CS Department of Toxicology, School of Veterinary Medicine, Rakuno Gakuen University, Ebetsu, Hokkaido, Japan.  
 NC ES-07381 (NIEHS)  
 SO Journal of veterinary medical science / the Japanese Society of Veterinary Science, (2002 Sep) 64 (9) 829-33.  
 Journal code: 9105360. ISSN: 0916-7250.  
 CY Japan  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AB078927  
 EM 200212  
 ED Entered STN: 20021026  
 Last Updated on STN: 20021228  
 Entered Medline: 20021227

L2 ANSWER 13 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 2002:609922 BIOSIS  
 DN PREV200200609922  
 TI Embryotoxicity of PAHs to \*\*\*zebrafish\*\*\* : The role of \*\*\*cytochrome\*\*\* P4501A.  
 AU Segner, Helmut [Reprint author]; Stoenescu, Valentina [Reprint author]; Behrens, Anja [Reprint author]; Ensenbach, Uwe [Reprint author]  
 CS UFZ Centre for Environmental Research, D-04318, Leipzig, Germany  
 SO Marine Environmental Research, (September-December, 2002) Vol. 54, No. 3-5, pp. 639-640. print.  
 Meeting Info.: Eleventh International Symposium on Pollutant Responses in Marine Organisms (PRIMO 11). Plymouth, UK. July 10-13, 2001.  
 CODEN: MERSDW. ISSN: 0141-1136.  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 LA English  
 ED Entered STN: 27 Nov 2002  
 Last Updated on STN: 27 Nov 2002

L2 ANSWER 14 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:118688 HCAPLUS  
 DN 137:3361  
 TI Phylogeny, expression and enzyme activity of zebrafish cyp19 (P450 aromatase) genes  
 AU Tong, Sok-Keng; Chiang, Evelyn Feng-lin; Hsiao, Pei-Hung; Chung, Bon-chu  
 CS Academia Sinica, Institute of Molecular Biology 48, Taipei, Nankang, 115,



Taiwan  
SO Journal of Steroid Biochemistry and Molecular Biology (2002), Volume Date  
2001, 79(1-5), 299-303  
CODEN: JSBBEZ; ISSN: 0960-0760  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 15 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2002:457090 BIOSIS  
DN PREV200200457090  
TI Localization and expression of aromatase mRNA in adult zebrafish.  
AU Goto, Rie [Reprint author]; Kight, Katherine E. [Reprint author]; Zohar,  
Yonathan [Reprint author]; Trant, John M. [Reprint author]; Place, Allen  
R. [Reprint author]  
CS Center of Marine Biotechnology, University of Maryland Biotechnology  
Institute, Baltimore, MD, USA  
SO Biology of Reproduction, (2002) Vol. 66, No. Supplement 1, pp. 257-258.  
print.  
Meeting Info.: 35th Annual Meeting of the Society for the Study of  
Reproduction. Baltimore, Maryland, USA. July 28-31, 2002.  
CODEN: BIREBV. ISSN: 0006-3363.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 28 Aug 2002  
Last Updated on STN: 28 Aug 2002

L2 ANSWER 16 OF 59 MEDLINE on STN DUPLICATE 4  
AN 2002315109 MEDLINE  
DN PubMed ID: 12054474  
TI Cloning of rat cytochrome P450RAI (CYP26) cDNA and regulation of its gene  
expression by all-trans-retinoic acid in vivo.  
AU Wang Yuanping; Zolfaghari Reza; Ross A Catharine  
CS Program in Integrative Biosciences, Pennsylvania State University,  
University Park, PA 16802, USA.  
NC DK-46869 (NIDDK)  
SO Archives of biochemistry and biophysics, (2002 May 15) 401 (2) 235-43.  
Journal code: 0372430. ISSN: 0003-9861.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AF439720  
EM 200207  
ED Entered STN: 20020612  
Last Updated on STN: 20020702  
Entered Medline: 20020701

L2 ANSWER 17 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2002:456957 BIOSIS  
DN PREV200200456957  
TI Possible roles of endocrine disrupting chemicals on the expression of  
CYP19 genes in zebra fish.  
AU Kazeto, Yukinori [Reprint author]; Place, Allen R. [Reprint author];  
Trant, John M. [Reprint author]  
CS Center of Marine Biotechnology, University of Maryland Biotechnology  
Institute, Baltimore, MD, USA  
SO Biology of Reproduction, (2002) Vol. 66, No. Supplement 1, pp. 203. print.  
Meeting Info.: 35th Annual Meeting of the Society for the Study of  
Reproduction. Baltimore, Maryland, USA. July 28-31, 2002.  
CODEN: BIREBV. ISSN: 0006-3363.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 28 Aug 2002  
Last Updated on STN: 28 Aug 2002

L2 ANSWER 18 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:685010 HCAPLUS  
DN 137:347670  
TI 2,3,7,8-Tetrachlorodibenzo-p-dioxin Toxicity in the Zebrafish Embryo:  
Local Circulation Failure in the Dorsal Midbrain Is Associated with  
Increased Apoptosis

AU Dong, Wu; Teraoka, Hiroki; Yamazaki, Koji; Tsukiyama, Shusaku; Imani, Sumiko; Imagawa, Tomohiro; Stegeman, John J.; Peterson, Richard E.; Hiraga, T.  
 CS School of Veterinary Medicine, Department of Toxicology, Rakuno Gakuen University, Ebetsu, 069-8501, Japan  
 SO Toxicological Sciences (2002), 69(1), 191-201  
 CODEN: TOSCF2; ISSN: 1096-6080  
 PB Oxford University Press  
 DT Journal  
 LA English

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:684990 HCAPLUS  
 DN 138:34384  
 TI 2,3,7,8-Tetrachlorodibenzo-p-dioxin Toxicity in the Zebrafish Embryo: Local Circulation Failure in the Dorsal Midbrain Is Associated with Increased Apoptosis  
 AU Tillitt, Donald E.; Papoulias, Diana M.  
 CS Geological Survey, Columbia Environmental Research Center, U.S. Department of Interior, Columbia, MO, 65201, USA  
 SO Toxicological Sciences (2002), 69(1), 1-2  
 CODEN: TOSCF2; ISSN: 1096-6080  
 PB Oxford University Press  
 DT Journal  
 LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 20 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:453232 HCAPLUS  
 DN 135:56930  
 TI Genes encoding mammalian retinoic acid-metabolizing cytochrome P450RAI-2 and related proteins  
 IN White, Jay A.; Petkovich, P. Martin; Jones, Glenville; Ramshaw, Heather  
 PA Cytochroma Inc., Can.  
 SO PCT Int. Appl., 174 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001044443	A2	20010621	WO 2000-CA1493	20001215
	WO 2001044443	A3	20011206		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	WO 2002048334	A2	20020620	WO 2001-CA1805	20011217
	WO 2002048334	A3	20021219		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU	2002015776	A5	20020624	AU 2002-15776	20011217
PRAI	US 1999-171110P	P	19991216		
	US 2000-178314P	P	20000127		
	WO 2000-CA1493	W	20001215		
	WO 2001-CA1805	W	20011217		

=> d 21-30

L2 ANSWER 21 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:832097 HCAPLUS  
DN 136:322298  
TI The complete sequence of the zebrafish (Danio rerio) mitochondrial genome  
and evolutionary patterns in vertebrate mitochondrial DNA  
AU Broughton, Richard E.; Milam, Jami E.; Roe, Bruce A.  
CS Oklahoma Biological Survey and Department of Zoology, University of  
Oklahoma, Norman, OK, 73019, USA  
SO Genome Research (2001), 11(11), 1958-1967  
CODEN: GEREFS; ISSN: 1088-9051  
PB Cold Spring Harbor Laboratory Press  
DT Journal  
LA English  
RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 22 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2001:547389 BIOSIS  
DN PREV200100547389  
TI Experience-dependent changes in \*\*\*cytochrome\*\*\* oxidase staining  
patterns in \*\*\*zebra\*\*\* finch song nuclei.  
AU Rosado, R. [Reprint author]; Espino, G. G. [Reprint author]; Rosenfield,  
D. B. [Reprint author]; Helekar, S. A. [Reprint author]  
CS Department of Neurology, Baylor College of Medicine, Houston, TX, USA  
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 1425.  
print.  
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San  
Diego, California, USA. November 10-15, 2001.  
ISSN: 0190-5295.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 21 Nov 2001  
Last Updated on STN: 25 Feb 2002

L2 ANSWER 23 OF 59 MEDLINE on STN DUPLICATE 5  
AN 2001569114 MEDLINE  
DN PubMed ID: 11337868  
TI Relative potencies of polychlorinated dibenzo-p-dioxin, dibenzofuran, and  
biphenyl congeners to induce \*\*\*cytochrome\*\*\* P4501A mRNA in a  
\*\*\*zebrafish\*\*\* liver cell line.  
AU Henry T R; Nesbit D J; Heideman W; Peterson R E  
CS U.S. Environmental Protection Agency, National Health and Environmental  
Effects Research Laboratory, 6201 Congdon Boulevard, Duluth, Minnesota  
55804, USA.. henry.tala@epa.gov  
SO Environmental toxicology and chemistry / SETAC, (2001 May) 20 (5) 1053-8.  
Journal code: 8308958. ISSN: 0730-7268.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200110  
ED Entered STN: 20011029  
Last Updated on STN: 20011029  
Entered Medline: 20011025

L2 ANSWER 24 OF 59 MEDLINE on STN DUPLICATE 6  
AN 2001179509 MEDLINE  
DN PubMed ID: 11159846  
TI Distinct \*\*\*cytochrome\*\*\* P450 aromatase isoforms in \*\*\*zebrafish\*\*\*  
(Danio \*\*\*rerio\*\*\*) brain and ovary are differentially programmed and  
estrogen regulated during early development.  
AU Kishida M; Callard G V  
CS Department of Biology, Boston University, Boston, Massachusetts 02215,  
USA.  
NC P42 ES-07381 (NIEHS)  
SO Endocrinology, (2001 Feb) 142 (2) 740-50.  
Journal code: 0375040. ISSN: 0013-7227.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
OS GENBANK-AF226619; PIR-AF226620  
EM 200103  
ED Entered STN: 20010404  
Last Updated on STN: 20010404  
Entered Medline: 20010329

L2 ANSWER 25 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:869918 HCAPLUS  
 DN 137:58293  
 TI Characterization of duplicated zebrafish cyp19 genes  
 AU Chiang, Evelyn Feng-Lin; Yan, Yi-Lin; Tong, Sok-Keng; Hsiao, Pei-Hung;  
 Guiguen, Yann; Postlethwait, John; Chung, Bon-Chu  
 CS Institute of Molecular Biology, Academia Sinica, Taipei, 115, Taiwan  
 SO Journal of Experimental Zoology (2001), 290(7), 709-714  
 CODEN: JEZOAO; ISSN: 0022-104X  
 PB Wiley-Liss, Inc.  
 DT Journal  
 LA English  
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 26 OF 59 MEDLINE on STN DUPLICATE 7  
 AN 2001699403 MEDLINE  
 DN PubMed ID: 11748833  
 TI Posttranscriptional silencing of \*\*\*cytochrome\*\*\* P4501A1 (CYP1A1)  
 during \*\*\*zebrafish\*\*\* (Danio \*\*\*rerio\*\*\* ) development.  
 AU Mattingly C J; Toscano W A  
 CS Interdisciplinary Program in Molecular Cellular Toxicology, Tulane  
 University, The Tulane/Xavier Center for Bioenvironmental Research, New  
 Orleans, Louisiana, USA.  
 SO Developmental dynamics : an official publication of the American  
 Association of Anatomists, (2001 Dec) 222 (4) 645-54.  
 Journal code: 9201927. ISSN: 1058-8388.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AF057713  
 EM 200203  
 ED Entered STN: 20011219  
 Last Updated on STN: 20020307  
 Entered Medline: 20020305

L2 ANSWER 27 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 AN 2001:290312 BIOSIS  
 DN PREV200100290312  
 TI Cloning of rat cytochrome P450RAI (CYP26) cDNA and regulation of hepatic  
 CYP26 gene expression by retinoic acid in vivo.  
 AU Wang, Yuanping [Reprint author]; Zolfaghari, Reza [Reprint author]; Ross,  
 A. Catharine [Reprint author]  
 CS The Pennsylvania State University, University Park, PA, 16802, USA  
 SO FASEB Journal, (March 7, 2001) Vol. 15, No. 4, pp. A602. print.  
 Meeting Info.: Annual Meeting of the Federation of American Societies for  
 Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA.  
 March 31-April 04, 2001.  
 CODEN: FAJOC. ISSN: 0892-6638.  
 DT Conference; (Meeting)  
 Conference; Abstract; (Meeting Abstract)  
 LA English  
 ED Entered STN: 20 Jun 2001  
 Last Updated on STN: 19 Feb 2002

L2 ANSWER 28 OF 59 MEDLINE on STN DUPLICATE 8  
 AN 2001507005 MEDLINE  
 DN PubMed ID: 11555854  
 TI Developmental expression of \*\*\*cytochrome\*\*\* P450 aromatase genes  
 (CYP19a and CYP19b) in \*\*\*zebrafish\*\*\* fry (Danio \*\*\*rerio\*\*\* ).  
 AU Trant J M; Gavasso S; Ackers J; Chung B C; Place A R  
 CS Center of Marine Biotechnology, University of Maryland Biotechnology  
 Institute, Baltimore, Maryland 21202, USA.. trant@umbi.umd.edu  
 NC ES09563-03 (NIEHS)  
 SO Journal of experimental zoology, (2001 Sep 15) 290 (5) 475-83.  
 Journal code: 0375365. ISSN: 0022-104X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200112  
 ED Entered STN: 20010917  
 Last Updated on STN: 20020122  
 Entered Medline: 20011212

L2 ANSWER 29 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:439574 HCAPLUS  
 DN 135:133253  
 TI Estrogen and xenoestrogens upregulate the brain aromatase isoform (P450aromB) and perturb markers of early development in zebrafish (Danio rerio)  
 AU Kishida, M.; McLellan, M.; Miranda, J. A.; Callard, G. V.  
 CS Department of Biology, Boston University, Boston, MA, 02215, USA  
 SO Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular Biology (2001), 129B(2-3), 261-268  
 CODEN: CBPBB8; ISSN: 1096-4959  
 PB Elsevier Science Inc.  
 DT Journal  
 LA English  
 RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 30 OF 59 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 9  
 AN 2001:546903 SCISEARCH  
 GA The Genuine Article (R) Number: 448BW  
 TI Differential expression of chicken CYP26 in anterior versus posterior limb bud in response to retinoic acid  
 AU Martinez-Ceballos E; Burdsal C A (Reprint)  
 CS Tulane Univ, Dept Cell & Mol Biol, New Orleans, LA 70118 USA (Reprint)  
 CYA USA  
 SO JOURNAL OF EXPERIMENTAL ZOOLOGY, (1 JUL 2001) vol. 290, No. 2, pp. 136-147.  
 Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK, NY 10158-0012 USA.  
 ISSN: 0022-104X.  
 DT Article; Journal  
 LA English  
 REC Reference Count: 43  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

=> d 31-40

L2 ANSWER 31 OF 59 MEDLINE on STN DUPLICATE 10  
 AN 2001083174 MEDLINE  
 DN PubMed ID: 10976925  
 TI Cytochrome P450RAI(CYP26) promoter: a distinct composite retinoic acid response element underlies the complex regulation of retinoic acid metabolism.  
 AU Loudig O; Babichuk C; White J; Abu-Abed S; Mueller C; Petkovich M  
 CS Department of Biochemistry, Queen's University, Kingston, Ontario, Canada.  
 SO Molecular endocrinology (Baltimore, Md.), (2000 Sep) 14 (9) 1483-97.  
 Journal code: 8801431. ISSN: 0888-8809.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200101  
 ED Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20010105

L2 ANSWER 32 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:416032 HCAPLUS  
 DN 134:158374  
 TI Expression of steroidogenic P450 genes in transgenic mouse and zebrafish  
 AU Chung, Bon-Chu  
 CS Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan  
 SO Frontiers Science Series (2000), 29, 317-320  
 CODEN: FCFUEO; ISSN: 0915-8502  
 PB Universal Academy Press, Inc.  
 DT Journal  
 LA English  
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 33 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2000:546643 HCAPLUS  
 DN 133:293833  
 TI The Expression of the Sex Steroid-Synthesizing Enzymes CYP11A1,

3.beta.-HSD, CYP17, and CYP19 in Gonads and Adrenals of Adult and  
Developing Zebra Finches  
AU Freking, Fred; Nazairians, Treza; Schlinger, Barney A.  
CS Department of Physiological Science, Laboratory of Neuroendocrinology of  
the Brain Research Institute, University of California, Los Angeles, CA,  
90095, USA  
SO General and Comparative Endocrinology (2000), 119(2), 140-151  
CODEN: GCENA5; ISSN: 0016-6480  
PB Academic Press  
DT Journal  
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 34 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1999:560920 HCAPLUS  
DN 131:296338  
TI Toxicity of retene to early life stages of two freshwater fish species  
AU Billiard, Sonya M.; Querbach, Kirsten; Hodson, Peter V.  
CS School of Environmental Studies, Queen's University, Kingston, ON, K7L  
3N6, Can.  
SO Environmental Toxicology and Chemistry (1999), 18(9), 2070-2077  
CODEN: ETOCDK; ISSN: 0730-7268  
PB SETAC Press  
DT Journal  
LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 35 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1999:698839 HCAPLUS  
DN 132:89002  
TI A Second CYP26 P450 in Humans and Zebrafish: CYP26B1  
AU Nelson, David R.  
CS Department of Biochemistry, University of Tennessee, Memphis, TN, 38163,  
USA  
SO Archives of Biochemistry and Biophysics (1999), 371(2), 345-347  
CODEN: ABBIA4; ISSN: 0003-9861  
PB Academic Press  
DT Journal  
LA English

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 36 OF 59 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 11  
AN 1999:918582 SCISEARCH  
GA The Genuine Article (R) Number: 258RR  
TI Zebra finch aromatase gene expression is regulated in the brain through an  
alternate promoter  
AU Ramachandran B; Schlinger B A; Arnold A P; Campagnoni A T (Reprint)  
CS UNIV CALIF LOS ANGELES, MENTAL RETARDAT RES CTR, BRAIN RES INST,  
NEUROENDOCRINOL LAB, DEPT PSYCHIAT, LOS ANGELES, CA 90095 (Reprint); UNIV  
CALIF LOS ANGELES, MENTAL RETARDAT RES CTR, BRAIN RES INST,  
NEUROENDOCRINOL LAB, DEPT PSYCHIAT, LOS ANGELES, CA 90095; UNIV CALIF LOS  
ANGELES, MENTAL RETARDAT RES CTR, BRAIN RES INST, NEUROENDOCRINOL LAB, LOS  
ANGELES, CA 90095

CYA USA  
SO GENE, (15 NOV 1999) Vol. 240, No. 1, pp. 209-216.  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,  
NETHERLANDS.  
ISSN: 0378-1119.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 34

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L2 ANSWER 37 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1999:510314 HCAPLUS  
DN 131:296413  
TI Transactivation Activity of Human, Zebrafish, and Rainbow Trout Aryl  
Hydrocarbon Receptors Expressed in COS-7 Cells: Greater Insight into  
Species Differences in Toxic Potency of Polychlorinated Dibenzo-p-dioxin,  
Dibenzofuran, and Biphenyl Congeners  
AU Abnet, Christian C.; Tanguay, Robert L.; Heideman, Warren; Peterson,  
Richard E.

CS School of Pharmacy and Environmental Toxicology Center, University of  
 Wisconsin, Madison, WI, 53706, USA  
 SO Toxicology and Applied Pharmacology (1999), 159(1), 41-51  
 CODEN: TXAPA9; ISSN: 0041-008X  
 PB Academic Press  
 DT Journal  
 LA English  
 RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 38 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1999:58047 HCAPLUS  
 DN 130:293080  
 TI Cloning of zebrafish cDNA for 3.beta.-hydroxysteroid dehydrogenase and  
 P450sc  
 AU Lai, Wayne Wei-Ku; Hsiao, Pei-Hung; Guiguen, Yann; Chung, Bon-Chu  
 CS Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan  
 SO Endocrine Research (1998), 24(3 & 4), 927-931  
 CODEN: ENRSE8; ISSN: 0743-5800  
 PB Marcel Dekker, Inc.  
 DT Journal  
 LA English  
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 39 OF 59 MEDLINE on STN DUPLICATE 12  
 AN 1998225341 MEDLINE  
 DN PubMed ID: 9564181  
 TI The cloning and characterization of a novel cytochrome P450 family, CYP26,  
 with specificity toward retinoic acid.  
 AU Haque M; Anreola F  
 CS Laboratory of Cellular Carcinogenesis and Tumor Promotion, National Cancer  
 Institute, National Institutes of Health, Bethesda, MD 20892-4255, USA.  
 SO Nutrition reviews, (1998 Mar) 56 (3) 84-5. Ref: 16  
 Journal code: 0376405. ISSN: 0029-6643.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199805  
 ED Entered STN: 19980609  
 Last Updated on STN: 19980609  
 Entered Medline: 19980528

L2 ANSWER 40 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1998:42508 HCAPLUS  
 DN 128:111546  
 TI Method of identifying cytochrome P450-encoding nucleic acid  
 IN Petkovich, P. Martin  
 PA Queen's University At Kingston, Can.; Petkovich, P. Martin  
 SO PCT Int. Appl., 100 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9749832	A2	19971231	WO 1997-CA488	19970623
	WO 9749832	A3	19980326		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 6063606	A	20000516	US 1996-724466	19961001
	AU 9733321	A1	19980114	AU 1997-33321	19970623
	EP 935676	A2	19990818	EP 1997-929069	19970623
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2000513928	T2	20001024	JP 1998-502013	19970623
PRAI	US 1996-667546	A2	19960621		

US 1996-724466 A2 19961001  
WO 1997-CA488 W 19970623

=> d 41-50

L2 ANSWER 41 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:455872 HCAPLUS  
DN 127:91255  
TI Intraspecific phylogeography of the Cape galaxias from South Africa:  
evidence from mitochondrial DNA sequences  
AU Waters, J. M.; Cambray, J. A.  
CS Department of Zoology, University of Tasmania, Tasmania, 7001, Australia  
SO Journal of Fish Biology (1997), 50(6), 1329-1338  
CODEN: JFIBA9; ISSN: 0022-1112  
PB Academic  
DT Journal  
LA English

L2 ANSWER 42 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:445423 HCAPLUS  
DN 127:61908  
TI The aquatic vertebrate embryo as a sentinel for toxins: zebrafish embryo  
dechoriation and perivitelline space microinjection  
AU Mizell, Merle; Romig, Eric S.  
CS Department of Cell and Molecular Biology and Tulane/Xavier Center for  
Bioenvironmental Research, Tulane University, New Orleans, LA, 70118, USA  
SO International Journal of Developmental Biology (1997), 41(2), 411-423  
CODEN: IJDBE5; ISSN: 0214-6282  
PB University of the Basque Country Press  
DT Journal  
LA English

L2 ANSWER 43 OF 59 MEDLINE on STN DUPLICATE 13  
AN 97446231 MEDLINE  
DN PubMed ID: 9299598  
TI CYP1A induction by beta-naphthoflavone, Aroclor 1254, and  
2,3,7,8-tetrachlorodibenzo-p-dioxin and its influence on aflatoxin B1  
metabolism and DNA adduction in zebrafish.  
AU Troxel C M; Buhler D R; Hendricks J D; Bailey G S  
CS Toxicology Program, Oregon State University, Corvallis, Oregon, 97331,  
USA.  
NC 2 T32 ES 07060 (NIEHS)  
ES 00210 (NIEHS)  
ES 03850 (NIEHS)  
SO Toxicology and applied pharmacology, (1997 Sep) 146 (1) 69-78.  
Journal code: 0416575. ISSN: 0041-008X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199710  
ED Entered STN: 19971024  
Last Updated on STN: 19990129  
Entered Medline: 19971015

L2 ANSWER 44 OF 59 MEDLINE on STN DUPLICATE 14  
AN 96315198 MEDLINE  
DN PubMed ID: 8739299  
TI Quantitative enzyme- and immunohistochemistry of hexokinase and  
\*\*\*cytochrome\*\*\* c oxidase of spinal neurons in the \*\*\*zebrafish\*\*\*  
AU van Raamsdonk W; Smit-Onel M J; Diegenbach P C  
CS Department of Experimental Zoology, University of Amsterdam, The  
Netherlands.  
SO Acta histochemica, (1996 Apr) 98 (2) 143-55.  
Journal code: 0370320. ISSN: 0065-1281.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199701  
ED Entered STN: 19970128  
Last Updated on STN: 19970128  
Entered Medline: 19970114

L2 ANSWER 45 OF 59 MEDLINE on STN DUPLICATE 15



AN 97023154 MEDLINE  
 DN PubMed ID: 8869514  
 TI A diagnostic molecular marker for zebra mussels (*Dreissena polymorpha*) and potentially co-occurring bivalves: mitochondrial COI.  
 AU Baldwin B S; Black M; Sanjur O; Gustafson R; Lutz R A; Vrijenhoek R C  
 CS Center for Theoretical and Applied Genetics, Rutgers University, New Brunswick, New Jersey 08903-231, USA.  
 SO Molecular marine biology and biotechnology, (1996 Mar) 5 (1) 9-14.  
 Journal code: 9205135. ISSN: 1053-6426.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-U47647; GENBANK-U47648; GENBANK-U47649; GENBANK-U47650; GENBANK-U47651; GENBANK-U47652; GENBANK-U47653  
 EM 199611  
 ED Entered STN: 19961219  
 Last Updated on STN: 19980206  
 Entered Medline: 19961122

L2 ANSWER 46 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1994:501447 HCAPLUS  
 DN 121:101447  
 TI Induction of zebra fish (*Brachydanio rerio*) P450 in vivo and in cell culture  
 AU Collodi, P.; Miranda, C. L.; Zhao, X.; Buhler, D. R.; Barnes, D. W.  
 CS Dep. Biochem. Biophys., Oregon State Univ., Corvallis, OR, USA  
 SO Xenobiotica (1994), 24(6), 487-93  
 CODEN: XENOBH; ISSN: 0049-8254  
 DT Journal  
 LA English

L2 ANSWER 47 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1994:504907 HCAPLUS  
 DN 121:104907  
 TI Combined quantitative immuno- and enzyme cytochemistry of cytochrome c oxidase in sections of neural tissue and cultured cells  
 AU van Raamsdonk, W.; van den Bogert, C.; Smit-Onel, M. J.; Muijsers, A. O.; Diegenbach, P. C.  
 CS Dep. Exp. Zool., Univ. Amsterdam, Amsterdam, 1098, Neth.  
 SO Acta Histochemica (1994), 96(1), 19-32  
 CODEN: AHISA9; ISSN: 0065-1281  
 DT Journal  
 LA English

L2 ANSWER 48 OF 59 MEDLINE on STN DUPLICATE 16  
 AN 93384284 MEDLINE  
 DN PubMed ID: 8373170  
 TI Regulation of \*\*\*\*cytochrome\*\*\*\* P450 expression in a novel liver cell line from \*\*\*\*zebrafish\*\*\*\* (*Brachydanio rerio*).  
 AU Miranda C L; Collodi P; Zhao X; Barnes D W; Buhler D R  
 CS Department of Agricultural Chemistry, Oregon State University, Corvallis 97331-7307.  
 NC ES00210 (NIEHS)  
 ES03850 (NIEHS)  
 ES04766 (NIEHS)  
 +  
 SO Archives of biochemistry and biophysics, (1993 sep) 305 (2) 320-7.  
 Journal code: 0372430. ISSN: 0003-9861.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199310  
 ED Entered STN: 19931029  
 Last Updated on STN: 19970203  
 Entered Medline: 19931012

L2 ANSWER 49 OF 59 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 17  
 AN 93343199 EMBASE  
 DN 1993343199  
 TI Immunohistochemical localization of the cytochrome P450 isozymes LMC2 and LM4B (P4501A1) in 2,3,7,8-tetrachlorodibenzo-p-dioxin-treated zebrafish (*Brachydanio rerio*).  
 AU Buchmann A.; Wannemacher R.; Kulzer E.; Buhler D.R.; Bock K.W.

CS Institute of Toxicology, University of Tübingen, Wilhelmstrasse 56, 7400  
Tübingen, Germany

SO Toxicology and Applied Pharmacology, (1993) 123/1 (160-169).  
ISSN: 0041-008X CODEN: TXAPA

CY United States

DT Journal; Article

FS 029 Clinical Biochemistry  
046 Environmental Health and Pollution Control  
052 Toxicology

LA English

SL English

L2 ANSWER 50 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1992:514713 BIOSIS

DN PREV199243112163; BR43:112163

TI ENERGY HOMEOSTASIS AND DEVELOPMENTAL STABILITY.

AU OZERNYUK N D [Reprint author]; DYOMIN V I; PROKOFYEV E A; ANDROSOVA I M

CS NK KOLTSOV INST DEV BIOL, RUSSIAN ACADEMY SCI, 26 VAVILOV STR, MOSCOW 117  
808, RUSSIA

SO Acta Zoologica Fennica, (1992) No. 191, pp. 167-175.  
Meeting Info.: SYMPOSIUM ON POPULATION PHENOGENETICS: ANALYSIS OF  
DEVELOPMENTAL STABILITY IN NATURAL POPULATIONS, MOSCOW, RUSSIAN SFSR, MAY  
15-18, 1989. ACTA ZOOL FENN.  
CODEN: AZFEAA. ISSN: 0001-7299.

DT Conference; (Meeting)

FS BR

LA ENGLISH

ED Entered STN: 11 Nov 1992  
Last Updated on STN: 11 Nov 1992

=> d 48-50 ab

L2 ANSWER 48 OF 59 MEDLINE on STN DUPLICATE 16

AB The expression and induction of cytochrome P450 by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and beta-naphthoflavone (BNF) in a new liver cell line from adult zebrafish (*Brachydanio rerio*) were studied. Subcellular fractions from control, BNF- or TCDD-treated cells did not show detectable bands in immunoblots probed with antibodies to the constitutive forms of trout P450 (LMC1, LMC2, LMC3, LMC4, and LMC5), suggesting that either zebrafish liver cells lack P450s closely related to those constitutively expressed in trout or that the concentrations of the orthologous P450s were too low to be detected. However, upon exposure to TCDD, the cells expressed a major immunoreactive 54-kDa protein and a minor 50-kDa protein recognized by antibodies to rainbow trout P4501A1. These immunoreactive proteins were observed in microsomal and mitochondrial fractions of TCDD-treated cells but were not detected in cell cultures treated with dimethyl sulfoxide (DMSO) (vehicle control) or BNF. The activities of ethoxyresorufin O-deethylase (EROD) and 7,12-dimethylbenzanthracene (DMBA) hydroxylase were markedly increased by TCDD but not by BNF in this cell line. EROD activity was more sensitive than DMBA hydroxylase activity of TCDD-treated liver cells to diagnostic inhibitors such as alpha-naphthoflavone and anti-trout P4501A1 IgG. The TCDD-treated cells converted DMBA to various metabolites, one of which is the putative proximate carcinogen, DMBA-3,4-diol. These results suggest that TCDD, but not BNF, induces one or possibly two forms of P450 immunochemically and functionally related to trout P4501A1, in cultured zebrafish liver cells.

L2 ANSWER 49 OF 59 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 17

AB Dibenzo-p-dioxins are persistent pollutants in our environment that exert a variety of biological and toxic effects in various species, in particular developmental toxicity in fish. Using zebrafish (*Brachydanio rerio*) as a model system, we analyzed the expression and inducibility of a constitutive isozyme (LMC2) and a dioxin-inducible isozyme (LM4B or P4501A1) of \*\*\*cytochrome\*\*\* (cyt.) P450 in different organs by immunohistochemical techniques. In untreated \*\*\*zebrafish\*\*\*, LMC2 was constitutively expressed at high levels in the liver, kidney, skin, and oral mucosa, while moderate expression was detected in gills, pseudobranch, intestine, and ovaries. LM4B was either not expressed in these organs or was found at comparatively low levels. After treatment of zebrafish with 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD; total dose of 15 ng per fish), LM4B expression was strongly induced in livers and kidneys and less pronounced in gills and pseudobranchs, whereas no or only marginal induction was seen in skin, intestine, oral mucosa, and ovaries.

In addition, cyt. P450 catalyzed 7-ethoxyresorufin-O-deethylation and phenol UDP-glucuronosyl transferase activity were also found to be inducible in liver and kidney. Our results demonstrate that zebrafish respond to inducing stimuli of TCDD in a fashion similar to that observed with related compounds in other fish species, suggesting that zebrafish may be a useful experimental model for studying biological and toxic effects of TCDD and other environmental pollutants in fish.

L2 ANSWER 50 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

=> d 51-59

L2 ANSWER 51 OF 59 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 18

AN 92:313635 SCISEARCH

GA The Genuine Article (R) Number: HT978

TI CULTURE OF CELLS FROM ZEBRAFISH (BRACHYDANIO-RERIO) EMBRYO AND ADULT TISSUES

AU COLLODI P; KAMEI Y; ERNST T; MIRANDA C; BUHLER D R; BARNES D W (Reprint)

CS OREGON STATE UNIV, CTR ENVIRONM HLTH SCI, DEPT BIOCHEM & BIOPHYS, CORVALLIS, OR, 97331; OREGON STATE UNIV, DEPT AGR CHEM, CORVALLIS, OR, 97331; SAPPORO BREWERIES LTD, DEPT AGRIBUSINESS, TOKYO, JAPAN

CYA USA; JAPAN

SO CELL BIOLOGY AND TOXICOLOGY, (JAN/MAR 1992) Vol. 8, No. 1, pp. 43-61. ISSN: 0742-2091.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 41

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L2 ANSWER 52 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:443067 HCAPLUS

DN 115:43067

TI Evolution of the cytochrome b gene of mammals

AU Irwin, David M.; Kocher, Thomas D.; Wilson, Allan C.

CS Div. Biochem. Mol. Biol., Univ. California, Berkeley, CA, 94720, USA

SO Journal of Molecular Evolution (1991), 32(2), 128-44  
CODEN: JMEVAU; ISSN: 0022-2844

DT Journal

LA English

L2 ANSWER 53 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1990:617590 HCAPLUS

DN 113:217590

TI Experimental and environmental induction of cytochrome P450E in fish from Bermuda waters

AU Stegeman, John J.; Renton, Kenneth W.; Woodin, Bruce R.; Zhang, Yusheng; Addison, Richard F.

CS Biol. Dep., Woods Hole Oceanogr. Inst., Woods Hole, MA, 02543, USA

SO Journal of Experimental Marine Biology and Ecology (1990), 138(1-2), 49-67  
CODEN: JEMBAM; ISSN: 0022-0981

DT Journal

LA English

L2 ANSWER 54 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1987:153393 HCAPLUS

DN 106:153393

TI Quantitative cytochemical analysis of cytochrome oxidase and succinate dehydrogenase activity in spinal neurons

AU Van Raamsdonk, Willem; Smit-Onel, Monique; Donselaar, Yvonne; Diegenbach, Paul

CS Dep. Zool., Univ. Amsterdam, Amsterdam, NL-1098 SM, Neth.

SO Acta Histochemica (1987), 81(2), 129-41

CODEN: AHISA9; ISSN: 0065-1281

DT Journal

LA English

L2 ANSWER 55 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1985:218688 HCAPLUS

DN 102:218688

TI Distribution of parvalbumin, cytochrome oxidase activity and 14C-2-deoxyglucose uptake in the brain of the zebra finch. II. visual system

AU Braun, Katharina; Scheich, Henning; Schachner, Melitta; Heizmann, Claus W.  
CS Inst. Zool., Tech. Hochsch. Darmstadt, Darmstadt, 6100, Fed. Rep. Ger.

SO Cell & Tissue Research (1985), 240(1), 117-27  
 CODEN: CTSRCS; ISSN: 0302-766X  
 DT Journal  
 LA English

L2 ANSWER 56 OF 59 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1985:218687 HCAPLUS  
 DN 102:218687  
 TI Distribution of parvalbumin, cytochrome oxidase activity and  
 14C-2-deoxyglucose uptake in the brain of the zebra finch. I. Auditory  
 and vocal motor systems  
 AU Braun, Katharina; Scheich, Henning; Schachner, Melitta; Heizmann, Claus W.  
 CS Inst. Zool., Tech. Hochsch. Darmstadt, Darmstadt, 6100, Fed. Rep. Ger.  
 SO Cell & Tissue Research (1985), 240(1), 101-15  
 CODEN: CTSRCS; ISSN: 0302-766X  
 DT Journal  
 LA English

L2 ANSWER 57 OF 59 LIFESCI COPYRIGHT 2004 CSA on STN DUPLICATE 19  
 AN 85:34389 LIFESCI  
 TI Benzo(a)pyrene oxidation and microsomal enzyme activity in the mussel  
 (Mytilus edulis) and other bivalve mollusc species from the Western North  
 Atlantic.  
 AU Stegeman, J.J.  
 CS Dep. Biol., Woods Hole Oceanogr. Inst., Woods Hole, MA 02543, USA  
 SO MAR. BIOL., (1985) vol. 89, no. 1, pp. 21-30.  
 DT Journal  
 FS X  
 LA English  
 SL English

L2 ANSWER 58 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 DUPLICATE 20  
 AN 1979:141971 BIOSIS  
 DN PREV197967021971; BA67:21971  
 TI EXPRESSION OF PATERNAL GENES CONTROLLING THE ACTIVITY OF CYTOCHROME  
 OXIDASE IN THE DEVELOPMENT OF FISH HYBRIDS.  
 AU ABRAMOVA N B [Reprint author]; KLYACHKO O S; NEIFAKH A A  
 CS INST DEV BIOL, ACAD SCI USSR, MOSCOW, USSR  
 SO Ontogenez, (1978) vol. 9, No. 3, pp. 291-296.  
 CODEN: ONGZAC. ISSN: 0475-1450.  
 DT Article  
 FS BA  
 LA RUSSIAN

L2 ANSWER 59 OF 59 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
 DUPLICATE 21  
 AN 1972:22429 BIOSIS  
 DN PREV197208022429; BR08:22429  
 TI ON THE PRIMARY STRUCTURE OF \*\*\*CYTOCHROME\*\*\* C OF THE \*\*\*ZEBRA\*\*\*  
 EQUUS-QUAGGA.  
 AU GUERTLER L; HORSTMANN H J  
 SO Febs Letters, (1971) vol. 18, No. 1, pp. 106-108.  
 CODEN: FEBLAL. ISSN: 0014-5793.  
 DT Article  
 FS BR  
 LA Unavailable

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